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Result
No.
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Maximum DB
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Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      protein -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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    94
89.5
89.5
88
87
86.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         94.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              97.5
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      Match
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Gapop 10.0 , Gapext 0.5
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933
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Published Applications AA Main:*

1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*

2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*

3: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*

4: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*

5: /cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep:*
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    US-10-460-524-5
US-10-369-493-18563
US-10-369-493-18563
US-10-156-761-9281
US-10-156-761-13480
US-10-282-122A-66025
US-10-282-122A-66108
US-10-282-122A-66108
US-10-425-115-287808
US-10-425-115-287808
US-10-425-115-287808
US-10-425-115-287808
US-10-425-115-287808
US-10-425-115-287808
US-10-425-115-287808
US-10-425-115-287808
US-10-425-114-2593
US-10-425-114-75593
US-10-913-883-31
US-10-913-883-31
US-10-913-883-31
US-10-913-883-31
US-10-425-114-480921
US-10-425-114-480921
US-10-425-114-48036
US-10-282-122A-59832
US-10-282-122A-69832
US-10-282-122A-69832
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Sequence 34787, A
Sequence 18563, A
Sequence 18563, A
Sequence 10618, A
Sequence 10618, A
Sequence 66025, A
Sequence 65364, A
Sequence 14, Appl
Sequence 137315,
Sequence 66108, A
Sequence 6708, A
Sequence
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287807, A 11335, A 59961, A 72593, A 72
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29 82 8.8 318 4 US-10-425-114-63899 30 82 8.8 329 4 US-10-243-739-16 31 82 8.8 329 4 US-10-244-055-16 32 82 8.8 329 4 US-10-289-454-16 33 82 8.8 329 4 US-10-346-190-16 34 82 8.8 329 4 US-10-465-8811-7 35 82 8.8 329 4 US-10-622-064-28 36 82 8.8 329 4 US-10-622-064-28 37 82 8.8 329 4 US-10-622-087-10 38 82 8.8 329 4 US-10-622-087-10 39 82 8.8 330 4 US-10-080-902-254 41 82 8.8 330 4 US-10-050-898-254 42 82 8.8 330 4 US-10-282-122A-55564 43 82 8.8 2799 4 US-10-282-122A-55564 44 82 8.8 2799 4 US-10-282-122A-55564 45 81 8.7 1178 4 US-10-128-714-8240																	
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4 US-10-425-114-63899 4 US-10-243-739-16 4 US-10-244-055-16 4 US-10-289-454-16 4 US-10-346-190-16 4 US-10-465-811-7 4 US-10-628-064-28 4 US-10-622-064-28 4 US-10-622-087-10 6 US-10-622-087-10 6 US-10-050-898-254 4 US-10-369-493-18812 4 US-10-282-122A-65564 4 US-10-282-122A-65564 4 US-10-282-122A-65564	1178	2799	1333	901	330	330	329	329	329	329	329	329	329	329	329	329	318
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	US-10-128-714-8240	US-10-282-122A-65564	US-10-282-122A-55546	US-10-369-493-18812	US-10-050-898-254	US-10-050-902-254	US-11-037-396-10		US-10-622-124-10	US-10-622-064-28	US-10-289-456-16	US-10-465-811-7	US-10-346-190-16	US-10-289-454-16	US-10-244-065-16	US-10-243-739-16	US-10-425-114-63899
	8240, Ap	65564, A	55546, A	18812, A	254, App	~	10, Appl	10, Appl	10, Appl		16, Appl	7, Appli	16, Appl	16, Appl	16, Appl	16, Appl	63899, A

US-10-460-524-5

ALIGNMENTS

## á 밁 S 문 S 밁 Ś ; ORGANISM: Streptococcus US-10-460-524-5 SEQ ID NO 5 LENGTH: 448 TYPE: PRT Query Match Best Local S Matches 48 Sequence 5, Application US/10460524 Publication No. US20040029781A1 GENERAL INFORMATION: APPLICANT: Hernan, Ronald A APPLICANT: Mehigh, Richard J APPLICANT: Brockie, Ian APPLICANT: Jenkins, Elizabeth TITLE OF INVENTION: Affinity Peptides and Method for Purification of Recombinant Properties and Method for Purification of Recombination Properties and Method for Purification of Recombination Properties and Method for Purification Properties and Method for P PRIOR APPLICATION NUMBER: US 60/388,059 PRIOR FILING DATE: 2002-06-12 NUMBER OF SEQ ID NOS: 23 SOFTWARE: Patentin version 3.1 / Match 10.6%; Local Similarity 25.3%; les 48; Conservative 29 176 163 AVDELVARFL 172 54 ----QPLFEATADAL------VTDFYDHLESYERTQDLFANSTKTVEQLKETQAEYLLG 102 41 98 AAAADALAKAKADALKEFNKYGVSDYYKNL------INNAKTVEGIKDLQAQVV-- 145 10 TADVRNGIDGHALADRIGLDEASIAWRLSFTGIDD------DTMAALAAS------TPIIRNGGE---LTNLLGNSETTLALRNEESATADLTAAAVADTVAAAAAENAGAAAWEA 97 SIELAEAKVL 185 -----ESAKKARISEATD---LGRGEYDTEYAAQRARIGKIHDVLGLGPDVYLGAYTRYYTGLLDALADDVVADRGEEAAA 162 25; Score 99; DB Pred. No. 0.31 DB 4; Length 448; 45; Indels GLSDFLKSQTPA---EDTVK 175 72; Gaps 8

RESULT 2
US-10-767-701-34787
; Sequence 34787, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.

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US-10-156-761-9281
; Sequence 9281, Application US/10156761
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                                                   RESULT 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; ORGANISM: Halobacterium sp. NRC-1 US-10-369-493-18563
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PRIOR FILING DATE: 2002-02-21
NUMBER OF SEQ ID NOS: 47374
SEQ ID NO 18563
LENGTH: 883
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 18563, Application US/10369493 Publication No. US20030233675A1 GENERAL INFORMATION:
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES FILE REFERENCE: 38-10(52052)B CURRENT APPLICATION INVESE: US/10/369,493
CURRENT APPLICATION INVESE: US/10/369,493
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APPLICANT: Hinl
APPLICANT: Sla
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APPLICANT:
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                                                                                                                    287
                                                                                                                                                       118 RIGKIHDV-----LGL-GPDVYLGAYTRYYTGLLDALAD--DVVADRGEEAAAAVDEL 167
                                                                                                                                                                                                                                                                                       180 DVKSNVEGQLDRLADQIA--DKEAADPHDRLASHNTALAEVTÄDIEHFEAEREQARQTRD 237
                                                                                                                                                                                                                                                                                                                               12 DVRNGIDGH--ALADRIGLDEAEIAWRLSFTGIDDDTMAALAAEQPLFEA-----TAD 62
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Slater, Steven C.
Goldman, Barry S.
Chen, Xianfeng
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                                                                                                                 RASDIDDEAAALAADIGIDDPDAEDASAER-----DAVADQREAVAERVREVAPAVSRL 340
                                                                                                                                                                                                      ----DAADVLERYEESRTALADVEETIADVREAVAE-----AERERETLADRVSDHRE 286
                                                                                                                                                                                                                                          ALVTDFYDHLESYERTQDLFANSTKTVEQLKETQAEYLLGLGRGEYDTEYAAQRA-----
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Cao, Yongwei
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                                                                                                                                                                                                                                                                                                                                                                                              28.3%;
                                                                                                                                                                                                                                                                                                                                                                                                             10.1%;
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                                                                                                                                                                                                                                                                                                                                                                         23; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                           Score 94.5;
Pred. No. 2.
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                                                                                                                                                                                                                                                                                                                                                                         63;
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; TYPE: PRT
; ORGANISM: Streptomyces avermitilis
US-10-156-761-13480
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APPLICANT: HORIKAMA, HIROSHI
APPLICANT: SHIBA, TADAYOSHI
APPLICANT: SAKAKI, YOSHIYUKI
APPLICANT: SAKAKI, YOSHIYUKI
APPLICANT: HATTORI, MASAHIRA
TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
FILE REFERENCE: 249-262
FILE REPERENCE: 249-262
CURRENT APPLICATION NUMBER: US/10/156,761
CURRENT FILING DATE: 2002-05-29
PRIOR APPLICATION NUMBER: JP 2001-204089
PRIOR FILING DATE: 2001-05-30
PRIOR FILING DATE: 2001-05-30
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APPLICANT: HATTORI, WASAHIRA
TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
FILE REFERENCE: 249-262
CURRENT APPLICATION NUMBER: US/10/156,761
CURRENT FILING DATE: 2002-05-29
PRIOR APPLICATION NUMBER: JP 2001-204089
PRIOR FILING DATE: 2001-05-30
PRIOR FILING DATE: 2001-05-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: OMURA, SATOSHI
APPLICANT: IKEDA, HARUO
APPLICANT: ISHIKAWA, JUN
APPLICANT: HORIKAWA, HIROS
APPLICANT: SHIBA, TADAYOSH
                                                                                                                                                       PRIOR APPLICATION NUMBER: JP 2001-272697
PRIOR FILING DATE: 2001-08-02
NUMBER OF SEQ ID NOS: 15109
SEQ ID NO 13480
LENGTH: 400
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PRIOR FILING DATE: 2001-08-02
NUMBER OF SEQ ID NOS: 15109
SEQ ID NO 9281
LENGTH: 218
TYPE: PRT
Query Match
Best Local Similarity
Matches 36; Conserv
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APPLICANT: IKEDA, HARUO
APPLICANT: ISHIKAWA, JUN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    / Match 10.1%; Score 94; DB 4; Length 218; Local Similarity 28.7%; Pred. No. 0.39; ndels 47; Conservative 22; Mismatches 73; Indels
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HORIKAWA, HIROSHI
SHIBA, TADAYOSHI
9.6%; Score 89.5; Di
26.7%; Pred. No. 2.5;
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Perfect score:
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US-10-605-703B-1396
US-09-252-991A-21396
US-09-252-991A-30919
US-09-252-991A-132970
US-09-252-991A-133
US-08-230-491A-3
US-08-230-491A-3
US-08-230-491A-3
US-08-230-491A-3
US-08-19-280A-3
US-08-19-280A-3
US-08-19-236-1
US-10-002-593-6
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US-08-006-676B-1
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              Sequence 1396, Appl Sequence 28, Appl Sequence 21396, A Sequence 30019, A Sequence 32970, A Sequence 18102, A Sequence 18102, A Sequence 15457, Ap Sequence 2, Appl Sequence 3, Appl Sequence 4, Appl Sequence 4, Appl Sequence 4, Appl Sequence 5, Appl Sequence 5, Appl Sequence 6, 
                                                                                                                                                                                                                                                                                                                                                              Sequence 10455, A
Sequence 3, Appli
Sequence 1, Appli
Sequence 2, Appli
Sequence 1, Appli
Sequence 14, Appli
Sequence 14, Appli
Sequence 4846, Ap
Sequence 8872, Ap
Sequence 31, Appli
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71S-09-134-000C-4946
-09-477-962-105
-09-252-991A-19796
;-08-976-063E-34
-09-252-991A-18063
-09-252-991A-21006
US-09-252-991A-17492
US-09-902-540-12912
US-09-902-540-9727
3B-1398
US-09-902-540-16334
US-09-489-039A-11123
2-6943
US-09-902-540-14634
6-10450
4-6
6-3
6-6146

ALIGNMENTS

## RESULT 1 US-09-902-540-10455 US-09-902-540-10455 APPLICANT: Goldman, Barry S. APPLICANT: Hinkle, Gregory J: APPLICANT: Hinkle, Gregory J: APPLICANT: Slater, Steven C. APPLICANT: Wiegand, Roger C. APPLICAT: Wiegand, Roger C. APPLICATION: Myxococcus xanthus Genome Sequences and Uses Thereof FILE REFERSNCE: 38-10(15849)B CURRENT APPLICATION NUMBER: US/09/902,540 CURRENT FILING DATE: 2001-07-10 PRIOR APPLICATION NUMBER: 60/217,883 PRIOR APPLICATION NUMBER: 60/217,883 PRIOR FILING DATE: 2000-07-10 NUMBER OF SEQ ID NOS: 16825 SEQ ID NO 10455 LENGTH: 396 Sequence 10455, Appli Patent No. 6833447 GENERAL INFORMATION: Matches Query Match LENGTH: 39 ORGANISM: Myxococcus xanthus ocal Similarity 124 148 -LADDVVADRGEEAAAAV------DELVARFLPMLKLLTFDQQI 184 64 HLRGTLQVWMDQLLRGPWDEVYYALRCRIGRMHVRIALPQHYMFGAMNILRQBFNSHIDA 91 QLKETQAEYLLGLGRGEYDTEYAAQRARIGKIHDVLGLGPDVYLGAYT---RYYTGLLDA 32 EIAWRLSFTGIDDDTMAAL-AAEOPLFEATADALVTDFYDHLESYERTQDLFANSTKTVE 40; œ TYLEEPAALRAARSAVGKILDLELAIMLHTYREDLLAQQARSERLSTFGQLV 175 ELKRYVGFSSADEQALVTLHATAKPHFARFARV----FYDRILEHBGARQALEGGESQVG Conservative Application US/09902540 10.1%; 28; Score 94.5; DB Pred. No. 0.028; Mismatches DB 2; 81; Length 396; Indels 23; 147 63 90 123 Ģ

RESULT 2 US-08-428-414A-3

Sequence 3, Application Patent No. 5912166 GENERAL INFORMATION:

US/08428414A

APPLICANT:

Reed,

Steven G.

METHODS

FOR DIAGNOSIS

TITLE OF INVENTION: COMPOUNDS AND TITLE OF INVENTION: LEISHMANIASIS

NUMBER OF SEQUENCES: 5

ADDRESSEE:

BERRY

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Gaps

145

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US-08-006-676B-1
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Best Local Similarity
Matches 54; Conserv
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GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Kadlecek, Ann T.
REGISTRATION NUMBER: 39,244
REFERENCE/DOCKET NUMBER: 21/
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
                                                   COMPUTER READABLE FORM:
MEDLIM TYPE: Floppy disk
COMPUTER: IBM FC COMPUTER: IBM FC COMPUTER: OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
LENGTH: 955 amino acids
                                                                                                                                                                                                                                               APPLICANT: Reed, Steven
TITLE OF INVENTION: Diagnosis of Leishmaniasis
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION: 436
ATTORNBY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/428,414A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
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TELEX: 3723836 SEEDANDBERRY
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                                       SOFTWARE:
                                                                                                                                                      COUNTRY:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY:
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                                                                                                                                                                                         SSEE: Jeffrey B. Oster
T: 8339 SE 57th Street
Mercer Island
                                                                                                                                   98040-4906
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                                                                                                                                                                                                                                                                                                                                                                        Application US/08006676B
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                                     WORD for Windows
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27.3%;
                  DATA:
US/08/006,676B
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Patent No. 5719263
GENERAL INFORMATION:
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                                                                      FILING DATE: JANUARY 15, 193
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Perkins, Patricia Anne
REGISTRATION NUMBER: 34,693
REFERENCE/DOCKET NUMBER: 5004-A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206)587-0430
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: (206) 236 020
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                       INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                               COMPUTER: Apple MacIntosh
OPERATING SYSTEM: Apple Macintosh Operating System 7.1
SOFTWARE: Microsoft Word for Macintosh 5.1a
CURRENT APPLICATION DATA:
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NAME: Oster, Jeffrey B.
REGISTRATION NUMBER: 32,585
                                                                                                                                                                                                                              FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: (
                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELECOMMUNICATION INFORMATION: TELEPHONE: (206) 232 7845
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: A 230Kd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: amino acid
                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY: (ZIP: 98101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CITY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               662 EWEDALRERALAERDEAAAAELDAAASTSQNARESACERLTSLEQQL 708
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      146 --- DALADDVVADRGEEAAAAVDELV----ARFLPMLKLLTFDQQI 184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              602 TQLSQVVTDRERLTRDLQRIQYEYGETELARDVALCAAQEMEARYHAAVFHLQTLLELAT 661
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               101 LGLGRGEYDTE-YAAQRARIGKIHDVLGLGPDVYLGA----YTRYYTGLL-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      546 ESTVAQLEREOREREVALDALOTHORKLOSALESSERTA---AERDOLLOOLTELOSE-R 601
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             44 DDTWAALAAEQPLFEATADALVT---DFYDHLESYERTQDLFANSTKTVEQLKETQAEYL 100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      49;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         h 9.5%;
Similarity 29.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Seattle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 E: Immunex Corporation
51 University Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               955 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Reed, Steven G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                       (206) 233-0644
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   15-JAN-1993
                                                                                                                                                                                                                                                                                                                                                                                                                  Floppy disk
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                                                                                                                                                                                                                                  08/006,676
                                                                                                                                                                                                                                                                                                                   US/08/282,845
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    230Kd Antigen Present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REED-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 89; DB 1
Pred. No. 0.46;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 1; Length 955;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        69; Indels
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